

Sensor/actuator cable - SAC-3P- 3,0-PUR/A - 1693238

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Sensor/actuator cable, 3-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Valve connector A, cable length: 3 m

RoHS

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	171.300 g
Custom tariff number	85444290
Country of origin	Germany

Technical data

Dimensions

Length of cable	3 m
Stripping length of the free conductor end	50 mm

Ambient conditions

Degree of protection	IP67
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General

Rated current at 40°C	4 A
Rated voltage	24 V
Number of positions	3
Insulation resistance	≥ 100 MΩ
Status display	No
Protective circuit/component	not available
Overvoltage category	II
Degree of pollution	3

Material

Flammability rating according to UL 94	HB
Valve plug contact material	CuSn
Valve plug contact surface material	Ag
Valve plug contact insert material	PBT

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Technical data

Material

Material housing valve plug	PBT
Sealing material	TPU (Flat gasket valve plug)

Standards and Regulations

Flammability rating according to UL 94	HB
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Cable

Cable type	PUR halogen-free black
Cable type (abbreviation)	PUR
Cable abbreviation	Li9Y11Y-HF
UL AWM style	20549
Conductor cross section	3x 0.5 mm ²
AWG signal line	20
Conductor structure signal line	28x 0.15 mm
Core diameter including insulation	1.5 mm ±0.05 mm (Signal line)
Wire colors	black 1, black 2, green/yellow
Overall twist	3 wires, twisted
External sheath, color	black-gray RAL 7021
External cable diameter D	4.5 mm ±0.2 mm
Smallest bending radius, fixed installation	22.5 mm
Number of bending cycles	15000000
Bending radius	50 mm
Traversing path	0.9 m
Traversing rate	5 m/s
Acceleration	30 m/s ²
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Insulation resistance	min. 20 MΩ*km
Conductor resistance	39 Ω/km (at 20 °C)
Nominal voltage, cable	≤ 300 V
Test voltage, cable	≥ 1200 V
Flame resistance	according to DIN VDE 0482
	According to DIN EN 50265-2-1
Halogen-free	in accordance with DIN VDE 0472 part 815
Other resistance	largely oil-resistant
	partly UV-resistant in accordance with DIN EN ISO 4892-2-A
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)

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Technical data

Cable

	-20 °C ... 80 °C (cable, flexible installation)
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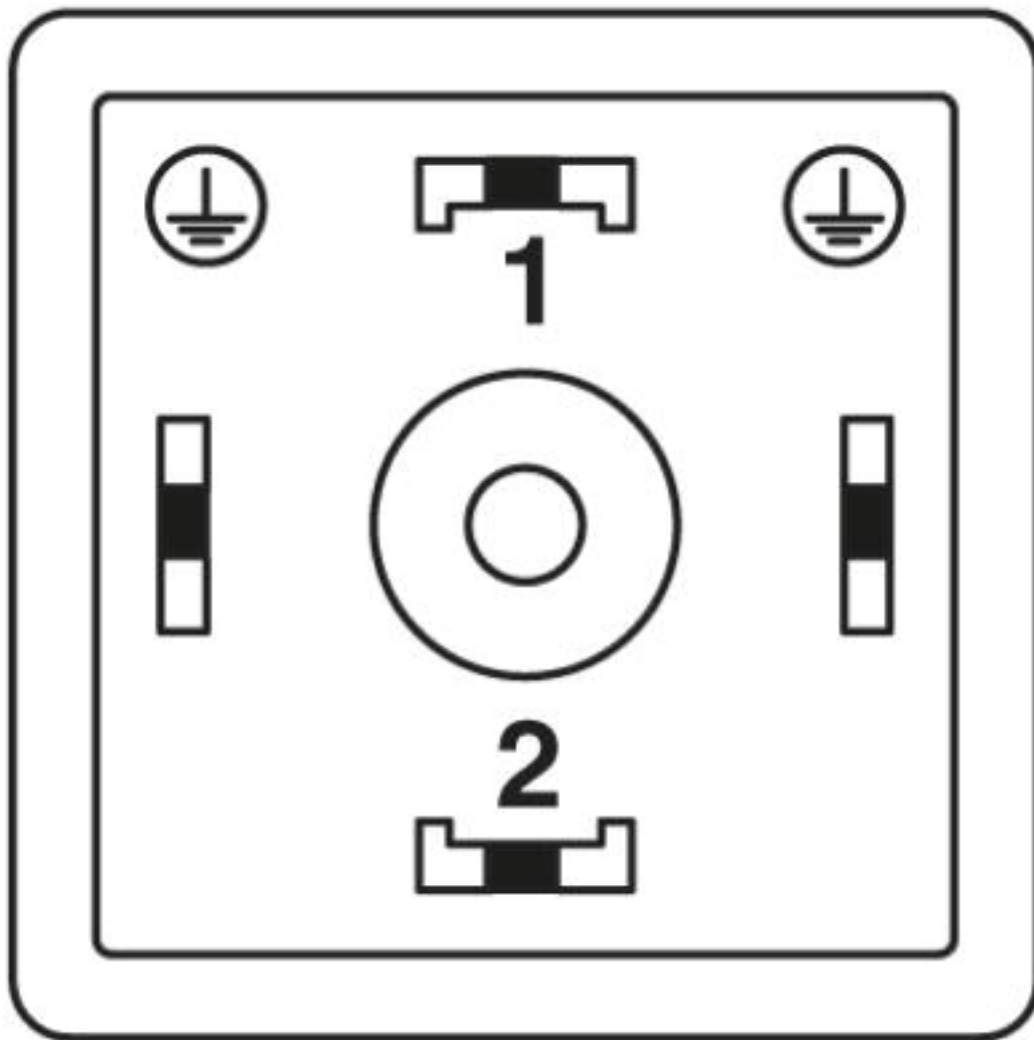
Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Sensor/actuator cable - SAC-3P- 3,0-PUR/A - 1693238

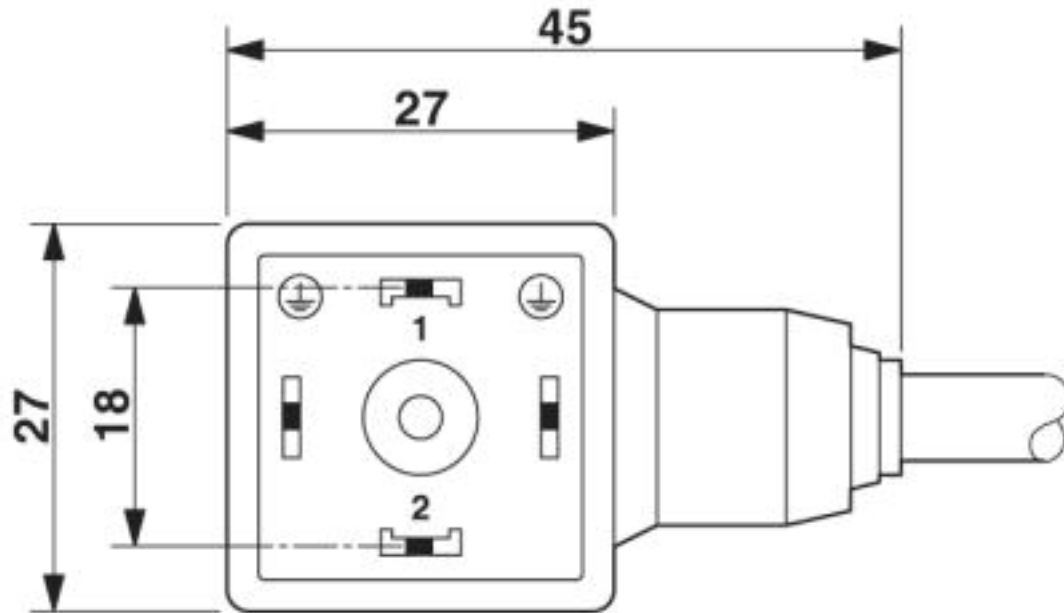
Schematic diagram



Valve connector pin assignment, type A

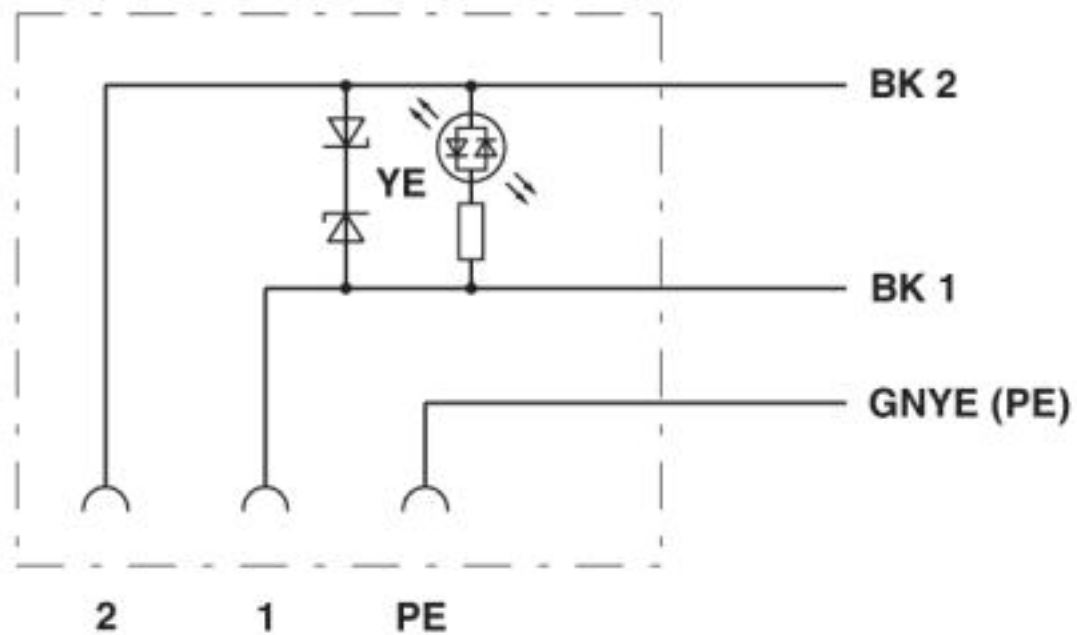
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Dimensional drawing



Valve connector, type A

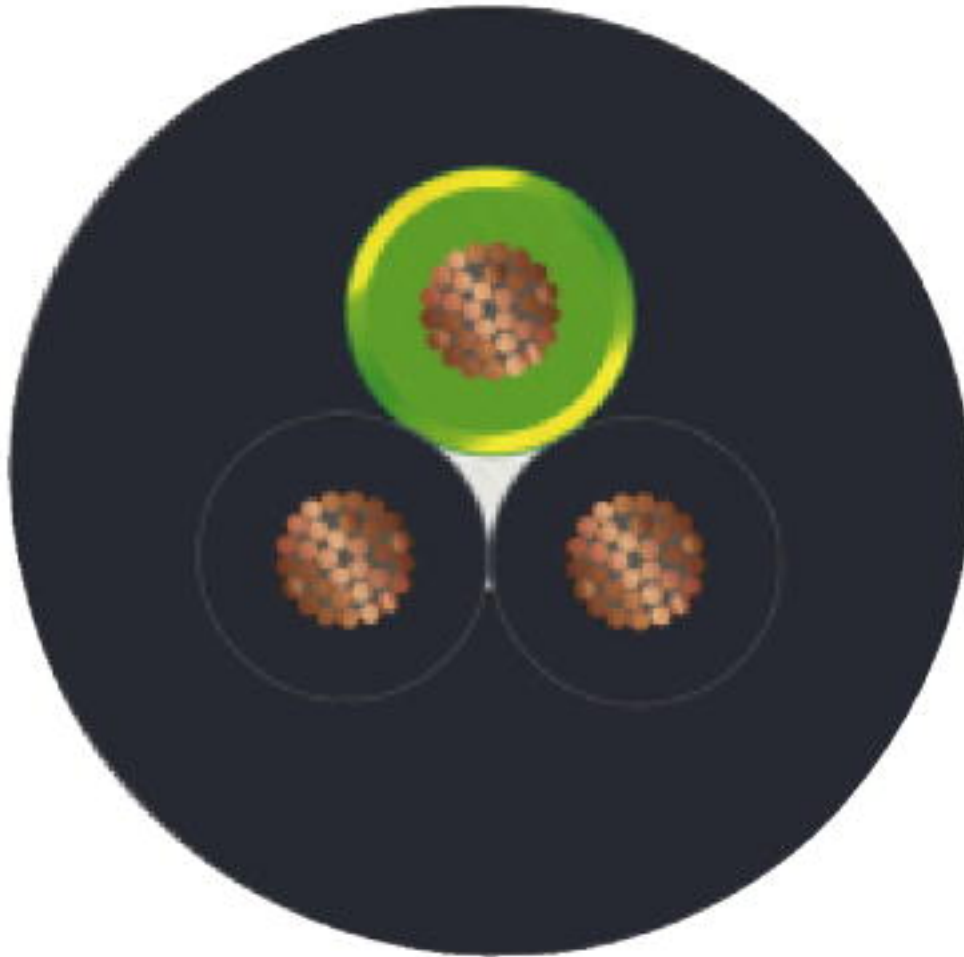
Circuit diagram



Contact assignment of the valve plug

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Cable cross section



PUR halogen-free black [PUR]

Classifications

eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27061801
eCl@ss 8.0	27279218
eCl@ss 9.0	27060312

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Classifications

ETIM

ETIM 2.0	EC000830
ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501